



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Muriel Y. Ishikawa et al.

Docket No.: IL-10391

Serial No. : 09/502,859

Art Unit: 2881

Filed : February 11, 2000

Examiner: B. Souw

For : Gamma Watermarking

AMENDMENT

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

In response to the office Action mailed March 13, 2003, please amend the  
above-referenced application as follows:

--If a binary bit-string of information is to be encoded  $N$  bits per radioisotope, i.e., as a binary-fraction specifying the intensity of a given spectral line emitted by a single radioisotope comprising a portion of the radiological inventory of a gamma watermark, then  $\approx 3 \times (2^{\frac{N}{2}}) \sim (3 \times 2^{\frac{N}{2}})$  gamma-ray counts of that spectral line need to be recorded, in order to have a statistically reliable estimate of the relative intensity which is statistically reliable at the level of three standard deviations about the true mean value.--